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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/853,322	05/10/2001	Lorenzo Casaccia	PA010317	5931
23696	7590	05/12/2006	EXAMINER TORRES, MARCOS L	
QUALCOMM, INC 5775 MOREHOUSE DR. SAN DIEGO, CA 92121			ART UNIT 2617	

DATE MAILED: 05/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/853,322

Applicant(s)

CASACCIA ET AL.

Examiner

Marcos L. Torres

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 25 January 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

### ***Response to Arguments***

2. Applicant's arguments filed 1-25-2006 have been fully considered but they are not persuasive.

3. Regarding applicant's arguments that Siwko and Redden do not teach "receiving at the mobile station an initial call request block probability, wherein the block probability is determined by a network element"; the Siwko call admission control as acknowledge by the applicant does determine in the network whether a call request should be blocked based on a dropping probability (page 1151), since the probability is used for a call request block, therefore it is also a call request probability. Applicants argument's does not clearly show the differences if any, between the probabilities.

4. Regarding applicant's arguments that Redden do not teach receiving at a mobile station a call request block probability, Redden teaches receiving at a mobile station a call request block parameter (see page 14, lines 4-22), thereby the combination of references of Siwko and Redden does disclose the above limitation.

5. Finally to the argument that there is no teaching or modifying a call request probability, Redden discloses that call request block parameter is modified with time (see page 14, lines 19-20).

6. The current rejection in record stands.

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

9. Claims 1-4, 6-10, 12-16 and 18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Siwko (NPL XP-001017264) in view of Redden (EP 0658014).

As to claims 1 and 2, Siwko discloses a communication system using a method for blocking call request comprising: receiving an initial call dropping probability factor in a calculation to determine call admission or blocking, wherein the probability is determined by a network element; determining an elapsed time from an effective time of said initial probability; adjusting said initial call request block probability based on said elapsed time (see sections II-IV). In an analog Redden discloses receiving at a mobile station an initial call request block probability (see page 14, lines 4-22), thereby letting

know to the mobile station about the call request block. Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention to add these teaching to the Siwko system for the simple purpose of maintaining the quality of service by managing the network resources.

As to claims 4, 10 and 16, Siwko discloses the method of receiving a time stamp associated with said probability; using said time stamp for determining said elapsed time (see sections II-III).

As to claims 7, 13 and 18, Siwko discloses everything claimed as explained above except for the method further comprising: receiving a time period value, wherein said adjusting occurs at least once during a time period substantially equal to said time period value. Redden discloses the method further comprising: receiving a time period value, wherein said adjusting occurs at least once during a time period substantially equal to said time period value (see page 12, lines 48-50). Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention to add this teaching to the Siwko system for the simple reason of automation.

As to claims 6 and 12, Siwko discloses everything claimed as explained above except for the method wherein said adjusted initial call request block probability allows fewer number of mobile stations to initiate call requests than a number of mobile stations allowed to initiate call requests at a time of said initial call request block probability. Redden discloses the method wherein said adjusted initial call request block probability allows fewer number of mobile stations to initiate call requests than a number of mobile stations allowed to initiate call requests at a time of said initial call request

block probability (see page 13, lines 51-56). Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention that if call request are going to be blocked the number of call request is going to decrease.

As to claims 3, 9, 15 and 20, Siwko discloses everything claimed as explained above except for the method further comprising: using said adjusted initial call request to block call request at a mobile station in said communication system. Redden discloses the method further comprising: using said adjusted initial call request to block call request at a mobile station in said communication system (see page 14, lines 4-22). Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention to use this technique in the Siwko system for enhanced management of the communication resources.

Regarding claims 8 and 19, they are the corresponding apparatus claim of method claim 1. Therefore, claim 8 are rejected for the same reason shown above.

Regarding claim 14 is the corresponding system claim of method claim 1. Therefore, claim 14 are rejected for the same reason shown above.

10. Claims 5, 11 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Siwko in view of Redden (EP 0658014) as applied to claims 1-2, 4, 8, 10, 14, 16 and 19 above, and further in view of Weishaupt (U.S. Patent 4,493,102).

As to claims 5, 11 and 17, Siwko discloses everything claimed as explained above except for the method of receiving a call request block termination time; terminating a call request block performed based on said adjusted initial call request block probability in a gradual process from said effective call request block termination

time. Redden discloses receiving a call request block termination time; terminating a call request block (see page 11, lines 43-46). Weishaupt disclose using a gradual process (see col. 1, lines 59-66). Therefore, it would have been obvious to one of the ordinary skill in the art at the time of the invention to combine these teachings in order to preserve the quality of service.

### ***Conclusion***

11. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any response to this Office Action should be mailed to:

U.S. Patent and Trademark Office  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Or faxed to:

571-273-8300

Art Unit: 2617

for formal communication intended for entry, informal communication or draft communication; in the case of informal or draft communication, please label "PROPOSED" or "DRAFT"

Hand delivered responses should be brought to:

Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marcos L. Torres whose telephone number is 571-272-7926. The examiner can normally be reached on 8:00am-6:00 PM alt. Wednesday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on 571-252-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Marcos L Torres  
Examiner  
Art Unit 2617

  
mlt

  
GEORGE ENG  
SUPERVISORY PATENT EXAMINER